

**(2017-2021) Department of Pharmaceutics and Industrial Pharmacy**  
**Books and Book Chapters Authoring:**

- 1- “Systematic Reviewing and Meta-Analysis in Drug Delivery” by: **Rania M. Hathout** in “**Principles in Research Methodology and Ethics in Pharmaceutical Sciences**” Editor: Vikas Anand Saharan – Publisher: CRS press , 2021.
- 2- “Machine Learning Methods in Drug Delivery” by: **Rania M.Hathout** in “**Applications of Artificial Intelligence in Process Engineering**” Editor: Ren Jingzheng – Publisher: Elsevier , 2021.
- 3- “Pharmaceutics Informatics: Bio/chemoinformatics in Drug Delivery” by: **Rania M. Hathout and Abdelkader A. Metwally** in “**Computer Aided Pharmaceutics And Drug Delivery**” Editor: Vikas Anand Saharan– Publisher: Springer Nature Publishing Group, 2021.
- 4- “Teaching Principles of DoE as an Element of QbD for Pharmacy Students” by: **Rania M. Hathout** in “**Computer Aided Pharmaceutics And Drug Delivery**” Editor: Vikas Anand – Publisher: Springer Nature Publishing Group, 2021.
- 5- “Computer Aided Formulation Development” by: **Rania M.Hathout** and Vikas Anand in “**Computer Aided Pharmaceutics And Drug Delivery**” Editor: Vikas Anand – Publisher: Springer Nature Publishing Group, 2020.
- 6- “Novel approaches of Solid lipid nanoparticles as drug carrier” by: **Heba A. Gad, Reham S. ElAzaby, Eman M. El-Marakby and Rania M. Hathout** in “**Nanoengineering of Biomaterials**” Editors: Sougata Jana and Subrata Jana – Publisher: Wiley-VCH Verlag GmbH & Co. KGaA, Boschstr. 12, 69469 Weinheim, Germany, 2020.
- 7- “Gelatin Nanoparticles” by **Rania M. Hathout and Abdelkader A. Metwally** in “**Basic Protocols in Pharmaceutical Nanotechnology - Methods in Molecular Biology**” Editor: Volkmar Weissig - Humana Press- Publisher: Springer Publishing Group, 2019.
- 8- “Back to Nature: Nanocarriers and Drugs in Cancer Therapy” by **Rania M. Hathout** in “**Frontiers in Bioactive compounds**” – Editor: Shaymaa Kassab, Publisher: Bentham e-book series – 27/11/2018 Ebk Series / FIBC / EOI-03.
- 9- “ Tracing the nose-to-brain nanoparticulate drug delivery using bio/chemoinformatics tools” by **Rania M. Hathout and Abdelkader A. Metwally** in “ **A Handbook on Artificial Intelligence in Drug Delivery**” Editors: **Anil K. Philip, Aliasgar Shahiwala, Mamoon Rashid and Md Faiyazuddin**, Publisher: Elsevier – 2021.
- 10-Chapter 1: Versatile hyaluronic acid nanoparticles for improved drug delivery, **Mona MA Abdel-Mottaleb, H Abd-Allah, Riham I El-Gogary, M. Nasr**. Drug Delivery aspects, Pages 1-18 (2020).
- 11- Nanoparticulate systems for wound healing. **M Nasr, Riham I El-Gogary, H Abd-Allah, Mona MA Abdel-Mottaleb**. Nanopharmaceuticals: Volume 1: Expectations and Realities of Multifunctional Drug Delivery Systems, Page 73, 2020.

12- **Reham Samir Elezaby, Maha Nasr, Ibrahim M. El-Sherbiny.** Book chapter: Mucosal vaccination through chitosan-based delivery systems **In: Chitosan in Biomedical Applications**, published by Elsevier, In press.

13- **Sara M. Abdel Samie, Maha Nasr.** Food to medicine transformation of stilbenoid vesicular and lipid based nanocarriers: Technological advances. **Book chapter, In: Drug delivery aspects published by Elsevier, 1<sup>st</sup> edition: Expectations and realities of multifunctional drug delivery systems**, 2020, Volume 1 published by Elsevier, pages 217-245.

14- **Maha Nasr, Enas Elmowafy, Mahmoud Eid Soliman.** The evolution of dendrimers to composite dendrimers: A review of the state of the art. Book chapter: **In Nanoparticles in pharmacotherapy, Alex Grumezescu (Ed.)**, 1<sup>st</sup> Edition, Elsevier publishers, 2019, Chapter 8, pages 217-249.